TDMS No. 96019 - 05 Test Type: CHRONIC Route: DOSED WATER

Species/Strain: RATS/F 344

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

CAS Number: 5589-96-8

Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

F1 R2

C Number: C96019

Lock Date: 07/14/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: 25021 TSAC 25020 NATD 25019 MSAC

Removal Date Range: ALL

Treatment Groups: Include ALL

Date Report Reqsted: 03/28/2006 Time Report Reqsted: 15:00:22 First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

CAS Number: 5589-96-8

Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006 Time Report Reqsted: 15:00:22 First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Disposition Summary					
Animals Initially in Study	66	66	66	66	
Early Deaths Moribund Sacrifice	15	17	17	17	
Natural Death	15 4	7	8	4	
Survivors	4	,	O	4	
Terminal Sacrifice	31	26	25	29	
Animals Examined Microscopically	50	50	50	50	
ALIMENTARY SYSTEM					
Esophagus	(50)	(50)	(50)	(50)	
Intestine Large, Cecum	(48)	(48)	(47)	(49)	
Edema	5 (10%)	1 (2%)	1 (2%)	6 (12%)	
Inflammation	1 (2%)	,	,	1 (2%)	
Intestine Large, Colon	(50)	(49)	(50)	(48)	
Inflammation	. ,	1 (2%)	` ,	,	
Intestine Large, Rectum	(50)	(50)	(50)	(49)	
Intestine Small, Duodenum	(50)	(49)	(50)	(49)	
Intestine Small, Ileum	(49)	(46)	(47)	(49)	
Inflammation				1 (2%)	
Intestine Small, Jejunum	(47)	(46)	(46)	(48)	
Inflammation	1 (2%)				
Liver	(50)	(50)	(50)	(50)	
Amyloid Deposition	0.4.50	1 (2%)	2 (0 (404)	
Angiectasis	2 (4%)	5 (10%)	2 (4%)	2 (4%)	
Basophilic Focus	6 (12%)	5 (10%)	4 (8%)	3 (6%)	
Clear Cell Focus	22 (44%)	21 (42%)	23 (46%)	20 (40%)	
Degeneration, Cystic	13 (26%)	13 (26%)	12 (24%)	18 (36%)	
Eosinophilic Focus	2 (4%)	5 (10%)	4 (8%)	8 (16%)	
Hepatodiaphragmatic Nodule Inflammation, Chronic	11 (22%) 10 (20%)	13 (26%)	7 (14%)	4 (8%)	
Inflammation, Chronic Malformation	10 (20%)	12 (24%)	12 (24%)	8 (16%) 1 (2%)	
Mixed Cell Focus	4 (8%)	3 (6%)	4 (8%)	2 (4%)	
Necrosis, Focal	4 (0 %)	2 (4%)	2 (4%)	2 (4/0)	
Bile Duct, Hyperplasia	45 (90%)	49 (98%)	46 (92%)	44 (88%)	
Centrilobular, Necrosis	45 (90%)	7 (14%)	8 (16%)	8 (16%)	
Hepatocyte, Vacuolization Cytoplasmic	3 (6%)	6 (12%)	3 (6%)	2 (4%)	

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WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

CAS Number: 5589-96-8

Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006 **Time Report Reqsted:** 15:00:22 **First Dose M/F:** 09/26/01 / 09/26/01

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Mesentery	(6)	(16)	(15)	(15)	
Accessory Spleen	(-)	(/	1 (7%)	1 (7%)	
Angiectasis			1 (7%)	. (. 75)	
Degeneration			. (. 73)	1 (7%)	
Fat, Necrosis	6 (100%)	8 (50%)	9 (60%)	9 (60%)	
Oral Mucosa	(0)	(0)	(1)	(1)	
Pancreas	(50)	(50)	(50)	(50)	
Atrophy	29 (58%)	28 (56%)	26 (52%)	29 (58%)	
Cyst	== (== /=)	20 (0070)	== (== /5)	1 (2%)	
Acinus, Hyperplasia, Focal	7 (14%)	3 (6%)	2 (4%)	7 (14%)	
Salivary Glands	(50)	(50)	(50)	(50)	
Inflammation	(55)	(66)	(66)	1 (2%)	
Stomach, Forestomach	(50)	(50)	(50)	(50)	
Edema	4 (8%)	4 (8%)	4 (8%)	6 (12%)	
Erosion	1 (070)	1 (070)	1 (2%)	1 (2%)	
Inflammation, Chronic Active		1 (2%)	1 (270)	1 (270)	
Ulcer	3 (6%)	3 (6%)	2 (4%)	5 (10%)	
Epithelium, Hyperplasia	6 (12%)	5 (10%)	5 (10%)	8 (16%)	
Stomach, Glandular	(50)	(50)	(50)	(50)	
Edema	4 (8%)	3 (6%)	1 (2%)	6 (12%)	
Erosion	7 (14%)	5 (10%)	7 (14%)	8 (16%)	
Hyperplasia	1 (2%)	3 (1070)	7 (1470)	0 (1070)	
Ulcer	2 (4%)	3 (6%)	2 (4%)		
Tongue	(0)	(1)	(0)	(1)	
Hyperplasia	(0)	(1)	(0)	1 (100%)	
Tooth	(0)	(0)	(0)	(2)	
Malformation	(0)	(0)	(0)	2 (100%)	
ivialiomation				2 (10076)	
ARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(50)	(50)	
Cardiomyopathy	47 (94%)	46 (92%)	48 (96%)	48 (96%)	
Thrombosis	4 (8%)	3 (6%)	4 (8%)	6 (12%)	
NDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	
Accessory Adrenal Cortical Nodule	23 (46%)	27 (54%)	28 (56%)	19 (38%)	
Hyperplasia, Focal	11 (22%)	13 (26%)	12 (24%)	9 (18%)	
Hyperplasia, Focal Hyperplasia, Diffuse	11 (22/0)	1 (2%)	12 (24/0)	3 (1070)	
r typerpiasia, Dilluse		1 (2/0)			

TDMS No. 96019 - 05

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WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

CAS Number: 5589-96-8

Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006 **Time Report Reqsted:** 15:00:22 **First Dose M/F:** 09/26/01 / 09/26/01

Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Hypertrophy, Focal	5 (10%)	3 (6%)	3 (6%)	4 (8%)	
Necrosis	1 (2%)	,	, ,	,	
Bilateral, Atrophy	, ,		1 (2%)		
Adrenal Medulla	(50)	(50)	(50)	(50)	
Hyperplasia	19 (38%)	22 (44%)	20 (40%)	28 (56%)	
Necrosis				1 (2%)	
Islets, Pancreatic	(50)	(50)	(50)	(50)	
Hyperplasia		1 (2%)		1 (2%)	
Pituitary Gland	(48)	(50)	(50)	(50)	
Pars Distalis, Angiectasis	23 (48%)	27 (54%)	23 (46%)	20 (40%)	
Pars Distalis, Cyst	5 (10%)	1 (2%)	4 (8%)	4 (8%)	
Pars Distalis, Hemorrhage	1 (2%)				
Pars Distalis, Hyperplasia				1 (2%)	
Pars Distalis, Hyperplasia, Focal	10 (21%)	8 (16%)	9 (18%)	9 (18%)	
Pars Intermedia, Cyst			1 (2%)		
Thyroid Gland	(50)	(50)	(50)	(50)	
Ultimobranchial Cyst	2 (4%)	3 (6%)	3 (6%)	1 (2%)	
C-cell, Hyperplasia	21 (42%)	15 (30%)	15 (30%)	24 (48%)	
Follicle, Cyst	11 (22%)	11 (22%)	5 (10%)	9 (18%)	
ENERAL BODY SYSTEM					
Peritoneum	(0)	(4)	(2)	(3)	
ENITAL SYSTEM					
Epididymis Hyperplasia, Mesothelium	(50)	(50) 1 (2%)	(50)	(50)	
Preputial Gland	(50)	(49)	(50)	(49)	
Cyst	4 (8%)	4 (8%)	3 (6%)	7 (14%)	
Inflammation, Chronic	3 (6%)	2 (4%)	8 (16%)	6 (12%)	
Prostate	(50)	(50)	(50)	(50)	
Inflammation, Chronic	36 (72%)	32 (64%)	35 (70%)	34 (68%)	
Epithelium, Hyperplasia	7 (14%)	4 (8%)	7 (14%)	5 (10%)	
Seminal Vesicle	(50)	(50)	(50)	(50)	
Inflammation	(30)	(30)	(30)	1 (2%)	
nmannauun					
Testes	(50)	(50)	(50)	(50)	

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FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	
Hyperplasia	5 (10%)	7 (14%)	8 (16%)	3 (6%)	
Myelofibrosis		1 (2%)		2 (4%)	
Lymph Node	(14)	(31)	(19)	(25)	
Deep Cervical, Hemorrhage		1 (3%)			
Mediastinal, Congestion	1 (7%)				
Mediastinal, Hemorrhage		6 (19%)	1 (5%)	4 (16%)	
Mediastinal, Hyperplasia, Lymphoid	6 (43%)	8 (26%)	9 (47%)	7 (28%)	
Pancreatic, Amyloid Deposition		1 (3%)			
Pancreatic, Hyperplasia, Lymphoid		4 (13%)	4 (21%)		
Lymph Node, Mandibular	(1)	(3)	(0)	(0)	
Hyperplasia, Lymphoid		1 (33%)			
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)	
Hyperplasia, Lymphoid		9 (18%)	4 (8%)		
Spleen	(50)	(50)	(50)	(50)	
Accessory Spleen	, ,	, ,	, ,	1 (2%)	
Amyloid Deposition		1 (2%)			
Fibrosis	1 (2%)	2 (4%)	2 (4%)	3 (6%)	
Hematopoietic Cell Proliferation	5 (10%)	7 (14%)	6 (12%)	3 (6%)	
Necrosis	,	1 (2%)	, ,	, ,	
Pigmentation		1 (2%)	2 (4%)	1 (2%)	
Lymphoid Follicle, Hyperplasia		1 (2%)	` ,	, ,	
Thymus	(49)	(50)	(50)	(48)	
INTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(50)	(50)	
Cyst	21 (42%)	14 (28%)	16 (32%)	18 (36%)	
Hyperplasia	2 (4%)	(==,=,	(=,-,	1 (2%)	
Skin	(50)	(50)	(50)	(50)	
Cyst Epithelial Inclusion	2 (4%)	2 (4%)	1 (2%)	3 (6%)	
Hyperplasia	2 (4%)	(,	(/	2 (4%)	
Inflammation, Chronic	1 (2%)			()	
Epidermis, Hyperplasia	, ,		1 (2%)		
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	

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Lab: SRI

FISCHER 344 RATS MALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Cranium, Osteopetrosis		4 (8%)		2 (4%)	
Femur, Osteopetrosis Skeletal Muscle	1 (2%) (1)	(4)	(0)	1 (2%) (1)	
NERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	
Compression	5 (10%)	8 (16%)	11 (22%)	5 (10%)	
Hemorrhage	2 (4%)	3 (6%)	4 (8%)	1 (2%)	
Necrosis	1 (2%)				
RESPIRATORY SYSTEM					
Lung	(50)	(50)	(50)	(50)	
Hemorrhage	2 (4%)	2 (4%)		3 (6%)	
Infiltration Cellular, Histiocyte	24 (48%)	23 (46%)	27 (54%)	25 (50%)	
Inflammation, Chronic	5 (10%)	3 (6%)	7 (14%)	6 (12%)	
Alveolar Epithelium, Hyperplasia	7 (14%)	14 (28%)	14 (28%)	10 (20%)	
Nose	(50)	(50)	(50)	(50)	
Foreign Body	14 (28%)	9 (18%)	14 (28%)	18 (36%)	
Inflammation, Chronic	18 (36%)	9 (18%)	16 (32%)	21 (42%)	
Nasolacrimal Duct, Cyst	1 (2%)	1 (2%)			
SPECIAL SENSES SYSTEM					
Eye	(50)	(50)	(50)	(50)	
Cataract	2 (4%)	3 (6%)	3 (6%)	2 (4%)	
Harderian Gland	(50)	(50)	(50)	(50)	
Hyperplasia, Focal	1 (2%)	1 (2%)			
Inflammation, Chronic	1 (2%)	1 (2%)		3 (6%)	
Zymbal's Gland	(1)	(1)	(1)	(0)	
URINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	
Cyst	1 (2%)	•	•	1 (2%)	
Infarct	1 (2%)	2 (4%)		2 (4%)	
Nephropathy	47 (94%)	47 (94%)	43 (86%)	45 (90%)	
Pelvis, Inflammation				1 (2%)	

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MG/L 500 MG/L	1000 MG/L
1 (2%) (50)	2 (4%) (49) 1 (2%)
(2%) 50) ((2%)

*** END OF MALE ***

TDMS No. 96019 - 05

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WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

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Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Disposition Summary					
Animals Initially in Study	66	66	66	66	
Early Deaths					
Moribund Sacrifice	12	14	9	13	
Natural Death	4	5	4	2	
Survivors			4		
Natural Death	24	24	1	25	
Terminal Sacrifice	34 50	31 50	36 50	35 50	
Animals Examined Microscopically	50	50	50	50	
ALIMENTARY SYSTEM					
Intestine Large, Cecum	(48)	(47)	(48)	(49)	
Intestine Large, Colon	(50)	(49)	(50)	(50)	
Hyperplasia				1 (2%)	
Intestine Large, Rectum	(50)	(50)	(50)	(50)	
Hyperplasia			1 (2%)		
Inflammation				1 (2%)	
Intestine Small, Duodenum	(49)	(48)	(49)	(49)	
Ectopic Tissue	((-)	1 (2%)	(12)	(4.5)	
Intestine Small, Ileum	(47)	(47)	(48)	(48)	
Intestine Small, Jejunum	(47)	(47)	(48)	(48)	
Liver	(50)	(50)	(50)	(50)	
Angiectasis	20 (700/)	2 (4%)	2 (4%)	24 (020()	
Basophilic Focus Clear Cell Focus	39 (78%) 14 (28%)	37 (74%)	37 (74%)	31 (62%)	
Degeneration, Cystic	14 (26%)	11 (22%)	16 (32%)	17 (34%)	
Eosinophilic Focus	1 (2%)	6 (12%)	9 (18%)	15 (30%)	
Hemorrhage	1 (2%)	0 (12/0)	3 (10/0)	13 (30 /0)	
Hepatodiaphragmatic Nodule	11 (22%)	10 (20%)	5 (10%)	8 (16%)	
Inflammation, Chronic	14 (28%)	17 (34%)	19 (38%)	10 (20%)	
Mixed Cell Focus	1 (2%)	4 (8%)	6 (12%)	10 (20%)	
Necrosis, Focal	. (270)	. (370)	1 (2%)	2 (4%)	
Bile Duct, Hyperplasia	19 (38%)	19 (38%)	21 (42%)	16 (32%)	
Hepatocyte, Vacuolization Cytoplasmic	6 (12%)	4 (8%)	3 (6%)	3 (6%)	
Mesentery	(9)	(9)	(9)	(6)	
Accessory Spleen	1 (11%)	\-/	1 (11%)	\-/	
Hemorrhage	(,		(/	1 (17%)	

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FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Fat, Necrosis	7 (78%)	9 (100%)	8 (89%)	4 (67%)	
Oral Mucosa	(2)	(0)	(0)	(1)	
Pancreas	(50)	(50)	(50)	(50)	
Atrophy	21 (42%)	20 (40%)	22 (44%)	22 (44%)	
Cyst	1 (2%)				
Acinus, Hyperplasia, Focal	2 (4%)	1 (2%)	1 (2%)		
Stomach, Forestomach	(50)	(50)	(50)	(50)	
Edema		2 (4%)	2 (4%)	1 (2%)	
Erosion			1 (2%)		
Perforation				1 (2%)	
Ulcer	1 (2%)	2 (4%)		1 (2%)	
Epithelium, Hyperplasia	6 (12%)	2 (4%)	3 (6%)	6 (12%)	
Stomach, Glandular	(50)	(50)	(50)	(50)	
Edema		1 (2%)	3 (6%)	2 (4%)	
Erosion	2 (4%)		5 (10%)	2 (4%)	
Ulcer		2 (4%)		1 (2%)	
Tongue	(1)	(0)	(1)	(0)	
ARDIOVASCULAR SYSTEM					
Heart	(50)	(50)	(50)	(50)	
Cardiomyopathy	44 (88%)	43 (86%)	48 (96%)	44 (88%)	
Thrombosis		1 (2%)			
NDOCRINE SYSTEM					
Adrenal Cortex	(50)	(50)	(50)	(50)	
Adrenal Cortex Accessory Adrenal Cortical Nodule	17 (34%)	(50) 11 (22%)	12 (24%)	(50) 13 (26%)	
Adrenal Cortex		(50) 11 (22%) 17 (34%)			
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal	17 (34%)	11 (22%)	12 (24%)	13 (26%) 25 (50%) 6 (12%)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal	17 (34%) 17 (34%)	11 (22%) 17 (34%)	12 (24%) 18 (36%)	13 (26%) 25 (50%) 6 (12%) (50)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage	17 (34%) 17 (34%) 5 (10%) (49)	11 (22%) 17 (34%) 2 (4%) (47)	12 (24%) 18 (36%) 3 (6%) (50)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage Hyperplasia	17 (34%) 17 (34%) 5 (10%)	11 (22%) 17 (34%) 2 (4%)	12 (24%) 18 (36%) 3 (6%)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%) 7 (14%)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage Hyperplasia Necrosis	17 (34%) 17 (34%) 5 (10%) (49) 5 (10%)	11 (22%) 17 (34%) 2 (4%) (47) 6 (13%)	12 (24%) 18 (36%) 3 (6%) (50) 4 (8%)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%) 7 (14%) 1 (2%)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage Hyperplasia	17 (34%) 17 (34%) 5 (10%) (49) 5 (10%)	11 (22%) 17 (34%) 2 (4%) (47)	12 (24%) 18 (36%) 3 (6%) (50) 4 (8%)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%) 7 (14%)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage Hyperplasia Necrosis Islets, Pancreatic Hyperplasia	17 (34%) 17 (34%) 5 (10%) (49) 5 (10%)	11 (22%) 17 (34%) 2 (4%) (47) 6 (13%) (50)	12 (24%) 18 (36%) 3 (6%) (50) 4 (8%) (50) 1 (2%)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%) 7 (14%) 1 (2%) (50)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage Hyperplasia Necrosis Islets, Pancreatic Hyperplasia Pituitary Gland	17 (34%) 17 (34%) 5 (10%) (49) 5 (10%) (49) 1 (2%) (50)	11 (22%) 17 (34%) 2 (4%) (47) 6 (13%) (50)	12 (24%) 18 (36%) 3 (6%) (50) 4 (8%) (50) 1 (2%) (50)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%) 7 (14%) 1 (2%) (50)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage Hyperplasia Necrosis Islets, Pancreatic Hyperplasia Pituitary Gland Pars Distalis, Angiectasis	17 (34%) 17 (34%) 5 (10%) (49) 5 (10%) (49) 1 (2%)	11 (22%) 17 (34%) 2 (4%) (47) 6 (13%) (50)	12 (24%) 18 (36%) 3 (6%) (50) 4 (8%) (50) 1 (2%)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%) 7 (14%) 1 (2%) (50) (50)	
Adrenal Cortex Accessory Adrenal Cortical Nodule Hyperplasia, Focal Hypertrophy, Focal Adrenal Medulla Hemorrhage Hyperplasia Necrosis Islets, Pancreatic Hyperplasia Pituitary Gland	17 (34%) 17 (34%) 5 (10%) (49) 5 (10%) (49) 1 (2%) (50)	11 (22%) 17 (34%) 2 (4%) (47) 6 (13%) (50)	12 (24%) 18 (36%) 3 (6%) (50) 4 (8%) (50) 1 (2%) (50)	13 (26%) 25 (50%) 6 (12%) (50) 1 (2%) 7 (14%) 1 (2%) (50)	

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CAS Number: 5589-96-8

Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

Date Report Reqsted: 03/28/2006 Time Report Reqsted: 15:00:22 First Dose M/F: 09/26/01 / 09/26/01

Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Pars Distalis, Hyperplasia, Focal	14 (28%)	11 (22%)	6 (12%)	17 (34%)	
Pars Intermedia, Cyst	14 (2070)	11 (22/0)	1 (2%)	17 (5470)	
Thyroid Gland	(49)	(50)	(50)	(50)	
Ultimobranchial Cyst	1 (2%)	1 (2%)	2 (4%)	1 (2%)	
C-cell, Hyperplasia	25 (51%)	28 (56%)	23 (46%)	23 (46%)	
Follicle, Cyst	5 (10%)	3 (6%)	2 (4%)	4 (8%)	
GENERAL BODY SYSTEM					
None					
GENITAL SYSTEM					
Clitoral Gland	(50)	(49)	(50)	(47)	
Cyst	4 (8%)	6 (12%)	7 (14%)	7 (15%)	
Hyperplasia	1 (2%)	,	,	1 (2%)	
Inflammation, Chronic	2 (4%)	2 (4%)	3 (6%)	2 (4%)	
Inflammation, Chronic Active				1 (2%)	
Ovary	(50)	(50)	(50)	(50)	
Cyst	7 (14%)	10 (20%)	6 (12%)	11 (22%)	
Uterus	(50)	(50)	(50)	(50)	
Cyst			1 (2%)	1 (2%)	
Hemorrhage	. (554)	1 (2%)	((())	1 (2%)	
Hydrometra	1 (2%)	2 (4%)	4 (8%)	4 (8%)	
Inflammation, Chronic		1 (2%)	4 (00()	4 (00()	
Cervix, Cyst			1 (2%)	1 (2%)	
Cervix, Hypertrophy				1 (2%)	
Endometrium, Cyst	1 (2%)			1 (2%)	
Endometrium, Hyperplasia		(1)	(0)	(1)	
Vagina Cyst	(0)	(1) 1 (100%)	(0)	(1)	
Inflammation, Acute		1 (100%)		1 (100%)	
Illianimation, Acute				1 (10078)	
HEMATOPOIETIC SYSTEM					
Bone Marrow	(50)	(50)	(50)	(50)	
Hyperplasia	6 (12%)	7 (14%)	5 (10%)	6 (12%)	
Myelofibrosis	1 (2%)				
Lymph Node	(15)	(20)	(11)	(16)	
Deep Cervical, Hyperplasia, Lymphoid	1 (7%)				

a - Number of animals examined microscopically at site and number of animals with lesion

TDMS No. 96019 - 05

Test Type: CHRONIC Route: DOSED WATER

WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

CAS Number: 5589-96-8

Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

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FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Mediastinal, Hemorrhage	2 (13%)	1 (5%)		2 (13%)	
Mediastinal, Hyperplasia, Lymphoid	6 (40%)	14 (70%)	8 (73%)	11 (69%)	
Pancreatic, Hyperplasia, Lymphoid	1 (7%)	(, .)	1 (9%)	1 (6%)	
Lymph Node, Mandibular	(0)	(2)	(1)	(1)	
Hyperplasia, Lymphoid	()	()	· ,	1 (100%)	
Lymph Node, Mesenteric	(50)	(50)	(50)	(50)	
Edema				1 (2%)	
Hyperplasia, Lymphoid	2 (4%)	3 (6%)	3 (6%)	8 (16%)	
Spleen	(50)	(50)	(50)	(50)	
Fibrosis			1 (2%)	2 (4%)	
Hematopoietic Cell Proliferation	3 (6%)	11 (22%)	10 (20%)	8 (16%)	
Necrosis	1 (2%)				
Pigmentation	3 (6%)	6 (12%)	4 (8%)	2 (4%)	
Thymus	(50)	(50)	(50)	(50)	
NTEGUMENTARY SYSTEM					
Mammary Gland	(50)	(50)	(50)	(50)	
Cyst	47 (94%)	47 (94%)	46 (92%)	45 (90%)	
Skin	(50)	(50)	(50)	(50)	
Cyst Epithelial Inclusion		1 (2%)			
Edema		1 (2%)			
Hyperkeratosis	1 (2%)				
Inflammation, Chronic	1 (2%)				
MUSCULOSKELETAL SYSTEM					
Bone	(50)	(50)	(50)	(50)	
Cranium, Osteopetrosis		1 (2%)		2 (22)	
Femur, Osteopetrosis	1 (2%)	1 (2%)		3 (6%)	
IERVOUS SYSTEM					
Brain	(50)	(50)	(50)	(50)	
Compression	10 (20%)	15 (3Ó%)	9 (18%)	10 (20%)	
Hemorrhage	` '	` '	3 (6%)	` '	

RESPIRATORY SYSTEM

TDMS No. 96019 - 05

Test Type: CHRONIC

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WATER DISINFECTION BYPRODUCTS (BROMOCHLOROACETIC ACID)

CAS Number: 5589-96-8

Pathologist: GILES, H. - HEATH, J. - Blackshear, P.

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Lab: SRI

FISCHER 344 RATS FEMALE	0 MG/L	250 MG/L	500 MG/L	1000 MG/L	
Lung	(50)	(50)	(50)	(50)	
Congestion		2 (4%)		` ,	
Hemorrhage	1 (2%)	, ,		2 (4%)	
Infiltration Cellular, Histiocyte	36 (72%)	44 (88%)	44 (88%)	45 (90%)	
Inflammation, Chronic	8 (16%)	10 (20%)	6 (12%)	7 (14%)	
Metaplasia, Osseous	, ,	, ,	1 (2%)	, ,	
Alveolar Epithelium, Hyperplasia	5 (10%)	7 (14%)	8 (Ì6%́)	18 (36%)	
Pleura, Fibrosis	1 (2%)	,	,	,	
Nose	(50)	(50)	(50)	(50)	
Foreign Body	2 (4%)	1 (2%)	3 (6%)	2 (4%)	
Inflammation, Chronic	3 (6%)	1 (2%)	3 (6%)	6 (12%)	
PECIAL SENSES SYSTEM					
Eye	(50)	(50)	(50)	(50)	
Cataract	4 (8%)	2 (4%)	2 (4%)	3 (6%)	
Harderian Gland	(50)	(50)	(50)	(50)	
Inflammation, Chronic	3 (6%)	5 (10%)	4 (8%)	(00)	
Zymbal's Gland	(0)	(2)	(0)	(0)	
Zymbar3 Gland	(0)	(2)	(0)	(0)	
RINARY SYSTEM					
Kidney	(50)	(50)	(50)	(50)	
Infarct		2 (4%)	2 (4%)	7 (14%)	
Nephropathy	36 (72%)	42 (84%)	43 (86%)	40 (80%)	
Cortex, Inflammation, Chronic				1 (2%)	
Transitional Epithelium, Hyperplasia, Diffuse		3 (6%)	2 (4%)	6 (12%)	
Transitional Epithelium, Inflammation,		3 (6%)	3 (6%)	6 (12%)	
Chronic Active		, ,	, ,	, ,	
Urinary Bladder	(50)	(50)	(50)	(50)	

*** END OF REPORT ***

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